

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Canceled)

2: (Currently amended) ~~A nucleotide sequence~~ An isolated nucleotide molecule which ~~codes~~ encodes for a the polypeptide having ~~, within the molecule thereof, water~~ channel activity which has the amino acid sequence, shown in the sequence listing under SEQ ID NO:1 ~~and having water channel activity~~.

3: (Currently amended) The ~~DNA sequence~~ isolated nucleotide molecule having the sequence shown in the sequence listing under SEQ ~~ID~~ ID NO:2.

4 (Canceled)